

FORM PTO-1390  
(REV. 10-2003)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

2223-188

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/511591

INTERNATIONAL APPLICATION NO.

PCT/CA03/00621

INTERNATIONAL FILING DATE

MAY 2, 2003

PRIORITY DATE CLAIMED

MAY 2, 2002 and MAY 3, 2002

TITLE OF INVENTION

IMMORTALIZED HYPOTHALAMIC NEURONAL CELL LINES

APPLICANT(S) FOR DO/EO/US

DENISE BELSHAM and DAVID LOVEJOY

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information:

U.S. APPLICATION NO. <b>10/511591</b> <small>(ON FORM known, see 37 CFR 1.53)</small>		INTERNATIONAL APPLICATION NO. <b>PCT/CA03/00621</b>		ATTORNEY'S DOCKET NUMBER <b>2223-188</b>			
21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. .... <b>\$1080.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>          <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">\$</td> <td style="width: 50%; border: none;"><b>950.00</b></td> </tr> </table>		\$	<b>950.00</b>
\$	<b>950.00</b>						
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">\$</td> <td style="width: 50%; border: none;"></td> </tr> </table>		\$	
\$							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
Total claims	<b>21 - 20 =</b>	<b>1</b>	x <b>\$18.00</b>	\$	<b>18.00</b>		
Independent claims	<b>2 - 3 =</b>		x <b>\$86.00</b>	\$			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ <b>\$290.00</b>	\$		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	<b>968.00</b>		
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	<b>484.00</b>		
<b>SUBTOTAL =</b>				\$	<b>484.00</b>		
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$			
<b>TOTAL NATIONAL FEE =</b>				\$			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +				\$			
<b>TOTAL FEES ENCLOSED =</b>				\$	<b>484.00</b>		
				Amount to be refunded:	\$		
				charged:	\$		
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u><b>484.00</b></u> to cover the above fees is enclosed.							
b. <input type="checkbox"/> Please charge my Deposit Account No. <u><b>022095</b></u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u><b>022095</b></u> . A duplicate copy of this sheet is enclosed.							
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card          information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.							
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)          or (b)) must be filed and granted to restore the application to pending status.</b>							
SEND ALL CORRESPONDENCE TO:							
<b>Bereskin &amp; Parr</b> <b>Box 401, 40 King Street West</b> <b>Toronto, Ontario Canada M5H 3Y2</b>				<div style="text-align: center;"> </div> <div style="text-align: center;"> <b>SIGNATURE</b>  <b>ANITA NADOR</b> </div> <div style="text-align: center;"> <b>NAME</b>  <b>47,366</b> </div> <div style="text-align: center;"> <b>REGISTRATION NUMBER</b> </div>			

10/511591

Our File No: 2223-188

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November 1, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith for entry into national phase of the patent application of

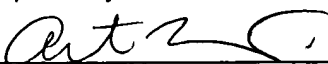
Inventors: DENISE BELSHEM and DAVID LOVEJOY

For: **IMMORTALIZED HYPOTHAMAMIC NEURONAL CELL LINES**

The following papers are enclosed:

- ☒ Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371.
- ☒ Application Data Sheet.
- ☒ Preliminary Amendment (9 pages), including sequence listing and sequence listing in computer readable form.
- ☐ An unsigned Combined Declaration for Patent Application and Power of Attorney.
- ☒ The government filing fee of 484.00 is enclosed in our cheque No. 6984.
- ☐ PAYMENT OF THE CLAIM FEES IS BEING DEFERRED.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Deposit Account No. 02-2095.
- ☒ Convention priority is requested based on United States Provisional Patent Application Nos. 60/376,879 filed May 2, 2002 and 60/377,231 filed May 3, 2002.

Respectfully submitted,

  
\_\_\_\_\_  
Anita Nador  
Registration No. 47,366

DTN Rec'd PCT/PTO 02 NOV 2004

10/511591

The PTO did not receive the following  
listed item(s) NO POST CARD

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